4. The apparatus as recited in claim **3** wherein the micro-porous panel characteristics comprise thickness of the micro-porous panel, pore diameter, pore density, and air gap size.

5. The apparatus as recited in claim **2** wherein the actuator comprises a piezoelectric actuator.

6. The apparatus as recited in claim **3** wherein the optimal blade number is between 20 and 27.

7. The apparatus as recited in claim **1** wherein the optimal blade number is 25.

8. The apparatus as recited in claim **1** wherein the micro-porous panel comprises a top cover for the blower housing.

9. A method, comprising:

providing a blower housing;

providing a cooling fan within the housing;

providing a micro-porous panel covering at least part of the blower housing;

providing an air gap beneath the micro-porous panel.

10. The method as recited in claim **9**, further comprising:

dynamically adjusting the size of the air gap to maximize sound attenuation as the fan operates at different speeds.

11. The method as recited in claim **10** wherein the air gap is dynamically adjusted with an actuator.

12. The method as recited in claim **10** wherein the actuator comprises a piezoelectric actuator.

13. The method as recited in claim further comprising:

determining an optimum number of blades for the fan and an associated band-pass frequency; and

selecting the micro-porous panel characteristics are based on the band pass frequency

14. The method as recited in claim **13** wherein the optimum number of blades is 25.

15. The method as recited in claim **13** wherein the micro-porous panel characteristics comprise thickness of the micro-porous panel, pore diameter, pore density, and air gap size.

16. A system for cooling a thin form factor computing device, comprising:

a blower comprising a blower housing in the computing device,

a cooling fan in the blower housing;

a micro-porous panel covering at least part of the blower housing; and

an air gap beneath the micro-porous panel.

17. The system as recited in claim **16** further comprising:

an actuator to dynamically adjust the size of the air gap beneath the micro-porous panel.

18. The system as recited in claim **16** wherein the cooling fan further comprises:

an optimal number of blades having a band pass frequency associated therewith; and

wherein the micro-porous panel characteristics are chosen based on the band pass frequency.

19. The system as recited in claim **17** wherein the actuator comprises a piezoelectric actuator.

20. The system as recited in claim **17** wherein the micro-porous panel comprises a top cover for the blower housing.

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